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UNITED STATES DEPARTMENT OF AGRICULTURE,
FOREST SERVICE.

HENRY S. GRAVES, Forester.

October Field Program, 1914.

This program of field work and assignments in the Forest Service is issued quarterly, on the 15th day of July, October, January, and April, and is for the exclusive use of members of the Service and cooperating bureaus. The names of members whose assignments are not yet fixed are necessarily omitted. All orders and other instructions printed in the Field Program will apply to all districts.

It is requested that the members of the Forest Service cooperate in making this program complete and accurate.

Unless the address of a member is given in this program or is definitely known, he should be addressed in care of the Forest Service, Washington, D. C.

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GRAZING STUDIES (in cooperation with F. V. Coville, botanist, Bureau of Plant Industry).—JAMES T. JARDINE, inspector of grazing, in charge, and Alfred E. Aldous, grazing examiner, Washington, D. C.

Forage investigations.—William A. Dayton, plant ecologist, Washington, D. C.

William R. Chapline, grazing assistant, Ephraim, Utah.

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WM. L. HALL, assistant forester in charge, Washington, D. C.

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JAMES R. WEIR, consulting pathologist, Missoula, Mont.

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STUDIES.—CHAS. E. FLEMING, grazing examiner.

LANDS.—R. H. RUTLEDGE, assistant district forester.

CLAIMS.—P. J. O'BRIEN.

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- Marquette. }
Michigan. } —W. B. PIPER, forest supervisor, East Tawas (WU-Am).

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DISTRICT 3.

Arizona and New Mexico. Office, Luna-Otero Building, Albuquerque, N. Mex.

A. C. RINGLAND, district forester; LYLE A. WHITSIT, hydroelectrical engineer.

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W. H. LONG, consulting pathologist, Albuquerque, N. Mex.

GRAZING.—JOHN KERR, assistant district forester; ALDO LEOPOLD, forest supervisor (detail).

STUDIES.—R. R. HILL, grazing examiner; ARTHUR D. READ, forest examiner.

LANDS.—FRANK C. W. POOLER, assistant district forester; M. M. CHENEY, national forester examiner. Classification: FRANK E. ANDREWS, national forest examiner; REX KING, forest examiner. Entry surveys: W. G. TURLEY, surveyor, Coronado; R. P. A. JOHNSON, surveyor, Carson; C. A. LONG, surveyor, Apache.

EXPERIMENT STATION.

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H. Basil Wales, forest examiner.

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Ira T. Yarnall, deputy forest supervisor; Las Gallinas Nursery,
Herman Krauch, forest examiner.

DISTRICT 4.

Utah, southern Idaho, western Wyoming, eastern and central Nevada,
and northwestern Arizona. Office, Forest Service Building, Ogden, Utah.

E. A. SHERMAN, district forester; J. P. MARTIN, district engineer.

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GRAZING.—HOMER E. FENN, assistant district forester.

C. N. WOODS, inspector of grazing.

STUDIES.—MARK ANDERSON, grazing examiner.

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of entry surveys.

SUPPLY DEPOT.—A. M. SMITH, property clerk.

PROPERTY AUDIT.—J. G. FALCK, property auditor.

EXPERIMENT STATION.

Utah, Manti National Forest.—ARTHUR W. SAMPSON, in charge; E. R. Hodson and S. E. Bower (temporary detail), Ephraim, Utah.

NATIONAL FORESTS.

ARIZONA.

Dixie.—See Utah.

Kaibab.—LEE A. HARRIS, forest supervisor, Kanab, Utah (WU-WF).

IDAHO.

Boise.—E. GRANDJEAN, forest supervisor, Boise (WU-Am); Dana Parkinson, deputy forest supervisor.

Cache.—See Utah.

Caribou.—G. G. BENTZ, forest supervisor, Montpelier (WU-Am); L. W. Hastings, deputy forest supervisor; James H. Hull, forest examiner.

Challis.—DAVID LAING, forest supervisor, Challis (WU-Am); Herman Work, forest examiner.

Idaho.—HERBERT GRAFF, forest supervisor, McCall (WU-P).

Lemhi.—C. I. HUDDLE, forest supervisor, Mackay (WU-AM).

Minidoka.—W. M. CAMPBELL, forest supervisor, Oakley (WU-AM).

Palisade.—FRANK J. RYDER, forest supervisor, St. Anthony (WU-Am); Charles F. Evans, forest examiner.

Payette.—GUY B. MAINS, forest supervisor, Emmett (WU-Am); Lawrence J. Phelan and Hubert C. Williams, deputy forest supervisors; W. N. Sparhawk and Lee O. Miles, forest examiners.

Pocatello.—CLINTON G. SMITH, forest supervisor, Logan, Utah; E. C. Shepard, deputy forest supervisor; Pocatello Nursery, Arthur P. Say, forest ranger in charge, Pocatello.

Salmon.—JOHN A. PEARSON, forest supervisor, Salmon (WU-Am); S. S. Stewart, deputy forest supervisor.

Sawtooth.—M. S. BENEDICT, forest supervisor, Hailey (WU-Am); Herbert G. McPheters and Samuel B. Locke, deputy forest supervisors.

Targhee.—CHESTER B. MORSE, forest supervisor, St. Anthony (WU-Am); J. W. Stokes, forest examiner.

Weiser.—J. B. LAFFERTY, forest supervisor, Weiser (WU-Am); A. E. Oman, forest examiner.

NEVADA.

Humboldt.—S. B. ARTHUR, forest supervisor, Gold Creek (WU-WF).

Moapa.—THOMAS J. COLLINS, forest supervisor, Austin (WU-Am); Raymond G. Steele, deputy forest supervisor.

Nevada.—GEO. C. THOMPSON, forest supervisor, Ely (WU-WF); D. B. Bailey, deputy forest supervisor.

Ruby.—JAMES M. RYAN, forest supervisor, Deeth (WU-WF).
 Santa Rosa.—W. W. BLAKESLEE, forest supervisor, Paradise.
 Toiyabe.—THOMAS J. COLLINS, forest supervisor, Austin (WU, P-WF);
 Raymond G. Steele, deputy forest supervisor.

UTAH.

Ashley.—W. M. ANDERSON, forest supervisor, Vernal (WU-WF).
 Cache.—CLINTON G. SMITH, forest supervisor, Logan (WU-Am); E. C. Shepard, deputy forest supervisor.
 Dixie.—JOHN RAPHAEL, forest supervisor, St. George (WU-WF).
 Fillmore.—ERNEST WINKLER, forest supervisor, Richfield (WU-WF);
 Lester E. Hitchcock, forest examiner.
 Fishlake.—CARL B. ARENTSON, forest supervisor, Salina (WU-WF);
 David A. Arrivee, forest examiner.
 La Sal.—J. W. HUMPHREY, forest supervisor, Moab (WU-WF).
 Manti.—B. E. MATTSSON, forest supervisor; Ephraim (WU-WF); W. M. Mace, deputy forest supervisor; F. S. Baker and J. C. Roak, forest examiners.
 Minidoka.—See Idaho.
 Pocatello.—See Idaho.
 Powell.—GEO. H. BARNEY, forest supervisor, Escalante (WU-WF).
 Sevier.—O. C. SNOW, forest supervisor, Panguitch (WU-WF).
 Uinta.—A. W. JENSEN, forest supervisor, Provo (WU-WF); J. Carl Allred, deputy forest supervisor.
 Wasatch.—J. F. BRUINS, forest supervisor, Salt Lake City (WU, P-Am, WF); Cottonwood Nursery, N. J. Fetherolf, forest planting assistant, in charge; Beaver Creek Nursery, Asa L. Brower, forest examiner, in charge, Kamas; Earl C. Sanford, Raymond D. Garver, and Adolph G. Hauge, forest examiners.

WYOMING.

Teton.—R. E. MILLER, forest supervisor, Jackson (WU-Am); H. B. Maris, forest examiner.
 Wyoming.—CHARLES A. BEAM, acting forest supervisor, Afton (WU-Am); John E. Ingram, deputy forest supervisor; R. A. Stretch, forest examiner.

 DISTRICT 5.

California and southwestern Nevada. Office, 114 Sansome street, San Francisco, Cal.

COERT DUBOIS, district forester; F. H. FOWLER, district engineer; J. L. MATHIAS, assistant to district engineer; W. C. HODGE, jr., in charge information; CLARENCE WILEY, inspector of records.

LAW.—Office of the Solicitor (Forest Service branch). H. P. DECHANT, assistant to the solicitor, in charge.

ACCOUNTS.—CHARLES C. BRUNNER, district fiscal agent.

OPERATION.—ROY HEADLEY, assistant district forester; D. P. GODWIN, national forest examiner, assigned to fire protection; FREDERICK H. HAFLEY, telephone expert; V. L. BONNER, deputy forest supervisor, assigned to road and entry surveys, etc.

MAINTENANCE.—F. H. SMITH.

SILVICULTURE.—T. D. WOODBURY, assistant district forester; SWIFT BERRY, forest examiner; J. C. ELLIOTT, lumberman; H. N. ORMSBEE, logging engineer.

W. H. GALLAHER, forest examiner, reconnaissance.

RALPH HOPPING, national forest examiner, insect control.

CHARLES H. ENSIGN, scaler, mill scale study.

E. P. MEINECKE, consulting pathologist; J. S. BOYCE, scientific assistant, San Francisco, Cal.

GRAZING.—JOHN H. HATTON, assistant district forester.

LANDS.—L. A. BARRETT, assistant district forester; CHAS. S. BROTHERS, assistant; W. H. FRIEDHOFF, mineral examiner. Land classification: S. N. STONER, national forest examiner, in charge of district; J. O. MORROW, deputy forest supervisor, in charge of field party. Entry surveys: P. L. DAY, national forest examiner, surveyor.

PRODUCTS.—C. STOWELL SMITH, assistant district forester, in charge; C. A. KUPFER, forest examiner.

EXPERIMENT STATIONS.

Feather River, Plumas National Forest.—J. A. MITCHELL, forest examiner, in charge, Quincy, Cal.

Converse, Angeles National Forest.—EDWARD N. MUNNS, forest examiner, in charge, Seven Oaks, Redlands, Cal.

NATIONAL FORESTS.

CALIFORNIA.

Angeles.—R. H. CHARLTON, forest supervisor, Los Angeles (WU, P-WF).

California.—M. A. BENEDICT, forest supervisor, Oriental (WU via Willows-WF); B. H. Mace, deputy forest supervisor; S. W. Strothman, forest examiner.

Cleveland.—S. W. WYNNE, forest supervisor, San Diego (WU, P-WF).

Eldorado.—EVAN W. KELLEY, forest supervisor, Placerville (WU-WF);

Oscar M. Evans, forest examiner.

Inyo.—A. H. HOGUE, forest supervisor, Bishop (WU-WF).

Kern.—Administered as a part of the Sequoia.

Klamath.—W. B. RIDER, forest supervisor, Yreka (WU-WF) ; J. R. Hall, deputy forest supervisor ; Douglas K. Noyes, forest examiner ; John T. Noddin, forest ranger, reconnaissance.

Lassen.—W. J. RUSHING, forest supervisor, Mineral (P via Red Bluff-WF) ; Shirley W. Allen, deputy forest supervisor ; R. H. Boerker, forest examiner.

Modoc.—W. G. DURBIN, forest supervisor, Alturas (WU-WF) ; Belknap C. Goldsmith, forest examiner.

Mono.—See Nevada.

Monterey.—N. H. SLOANE, forest supervisor, Arbolado (WU, via Soledad-WF, Monterey).

Plumas.—D. N. ROGERS, forest supervisor, Quincy (WU, Keddie, Cal.-G) ; Frank B. Cayot, deputy forest supervisor ; George R. Orr and Reese W. Taylor, forest examiners.

Santa Barbara.—C. E. RACHFORD, forest supervisor, Santa Barbara (P-WF) ; H. G. Merrill, deputy forest supervisor ; W. M. Moore, forest examiner.

Sequoia.—ALLAN B. PATTERSON, forest supervisor, Hot Springs (WU via Ducor-WF) ; F. P. Cunningham, deputy forest supervisor ; George W. Lyons, forest examiner.

Shasta.—R. F. HAMMATT, forest supervisor, Sisson (P-WF) ; M. R. Tillotson, deputy forest supervisor ; Stewart B. Show and Edward I. Kotok, forest examiners ; Pilgrim Creek Nursery, Fred W. Graham, assistant forest ranger, in charge, McCloud.

Sierra.—P. G. REDINGTON, forest supervisor, Northfork (WU via Friant-WF, Friant) ; D. C. Birch, Ernest G. Dudley, and Cary Hill, forest examiners.

Stanislaus.—R. W. AYRES, forest supervisor, Sonora (WU-WF) ; T. C. West, deputy forest supervisor ; J. V. Wulff, forest examiner.

Tahoe.—R. L. P. BIGELOW, forest supervisor, Nevada City (WU-WF) ; W. A. Merrill, deputy forest supervisor ; L. T. Larsen and K. Mills, forest examiners.

Trinity.—W. A. HUESTIS, forest supervisor, Weaverville (WU-WF) ; J. D. Coffman, deputy forest supervisor ; Ernest V. Jotter, forest examiner.

NEVADA.

Eldorado.—See California.

Inyo.—See California.

Mono.—WM. M. MAULE, forest supervisor, Gardnerville (WU-WF).

Tahoe.—See California.

DISTRICT 6.

Washington, Oregon, and Alaska. Office, Beck Building, Portland, Oreg.

GEO. H. CECIL, district forester; E. LEONARD LUNDGREN, district engineer.

LAW.—Office of the Solicitor (Forest Service branch). W. F. STALEY, assistant to the solicitor, in charge; EARL C. ARNOLD, assistant to the solicitor.

ACCOUNTS.—A. H. COUSINS, district fiscal agent.

OPERATION.—C. H. FLORY, assistant district forester; JAS. T. SCHUYLER, road engineer.

MAINTENANCE.—SHIRLEY BUCK.

SILVICULTURE.—F. E. AMES, assistant district forester; C. S. JUDD, assistant district forester; W. H. GIBBONS, investigation of logging costs; W. T. ANDREWS and C. H. WOODCOCK, logging engineers; L. A. NELSON and EDWIN C. ERICKSON, lumbermen.

PLANTING.—J. F. KÜMMEL and C. P. WILLIS, forest examiners.

FOREST INVESTIGATIONS.—T. T. MUNGER, forest examiner.

GRAZING.—T. P. MACKENZIE, assistant district forester.

LANDS.—C. J. BUCK, assistant district forester; land classification, J. ROY HARVEY, national forest examiner.

PRODUCTS.—H. B. OAKLEAF, in charge; Claude E. Greider, Portland; C. W. Zimmerman, Cornelius Barry, Seattle, Wash.

EXPERIMENT STATION.

Wind River, Columbia National Forest.—JULIUS V. HOFMANN, forest examiner, in charge, Carson, Wash.

NATIONAL FORESTS.

ALASKA.

Chugach.—W. G. WEIGLE, forest supervisor, Ketchikan (SC, U. S. A., WU-AP, Am); Thomas M. Hunt, deputy forest supervisor.

Tongass.—W. G. WEIGLE, forest supervisor, Ketchikan (SC, U. S. A., WU-AP, Am); Geo. L. Drake, forest examiner.

OREGON.

Cascade.—C. R. SEITZ, forest supervisor, Eugene (WU, P-WF); B. F. Heintzleman, deputy forest supervisor.

Crater.—M. L. ERICKSON, forest supervisor, Medford (WU, P-WF); E. H. MacDaniels, deputy forest supervisor; H. D. Foster, William E. White, Bruce Hoffman, forest examiners.

- Deschutes.**—MELVIN L. MERRITT, forest supervisor, Bend (WU, PT & T-GN).
- Fremont.**—GILBERT D. BROWN, forest supervisor, Lakeview (WU via Reno, Nev-P, WF); R. A. Bradley, deputy forest supervisor; Norman G. Jacobson, forest examiner.
- Klamath.**—See California.
- Malheur.**—CY. J. BINGHAM, forest supervisor, John Day (WU via Baker-Am, WF via Baker).
- Minam.**—EPHRAIM BARNES, forest supervisor, Baker (WU-Am).
- Ochoco.**—HOMER ROSS, forest supervisor, Prineville (WU, PT & T-Am); Allen Hodgson, deputy forest supervisor.
- Oregon.**—T. H. SHERRARD, forest supervisor, Portland (WU, P-Am, WF, N); Ralph S. Shelley, deputy forest supervisor; W. B. Osborne, deputy forest supervisor.
- Paulina.**—Apportioned for administrative purposes to the Deschutes, the Fremont, and the Crater.
- Santiam.**—F. H. BRUNDAGE, forest supervisor, Albany (WU, P-WF); A. R. Wilcox, forest examiner; W. H. Leve, forest examiner.
- Siskiyou.**—N. F. MACDUFF, forest supervisor, Grants Pass (WU, P-WF); D. B. Reynolds, deputy forest supervisor; H. Haefner, forest examiner.
- Siuslaw.**—H. B. RANKIN, forest supervisor, Eugene (WU, P-WF); S. C. Beach, deputy forest supervisor; H. M. Johnson, forest examiner.
- Umatilla.**—W. W. CRYDER, forest supervisor, Heppner (WU, P-Am).
- Umpqua.**—S. C. BARTRUM, forest supervisor, Roseburg (WU, P-WF); George Bonebrake, deputy forest supervisor; A. F. Kerr, forest examiner.
- Wallowa.**—H. W. HARRIS, forest supervisor, Wallowa (WU-Am); N. J. Billings, deputy forest supervisor.
- Wenaha.**—See Washington.
- Whitman.**—HENRY IRELAND, forest supervisor, Sumpter (WU via Baker-Am, WF via Baker); R. M. Evans, deputy forest supervisor; T. J. Starker, forest examiner.

WASHINGTON.

- Chelan.**—G. W. MILHAM, forest supervisor, Chelan (PT & T-Am, GN via Wenatchee).
- Columbia.**—A. E. COHOON, forest supervisor, Portland, Oreg. (WU, P-Am, WF, N); W. W. G. Hastings, deputy forest supervisor; L. Wernsted, forest examiner; C. P. Willis, forest examiner.
- Colville.**—C. C. REID, forest supervisor, Republic (WU, P-Am, GN); F. W. Cleator, deputy forest supervisor.
- Okanogan.**—H. M. HALE, forest supervisor, Okanogan (PT & T-Am, GN via Wenatchee); V. V. Harpham, deputy forest supervisor.

Olympic.—R. L. FROMME, forest supervisor, Olympia (WU, P-Am, GN, N); A. A. Parker, deputy forest supervisor.

Rainier.—G. F. ALLEN, forest supervisor, Tacoma (WU, P-Am, N); P. T. Harris, deputy forest supervisor; E. J. Fenby, forest examiner.

Snoqualmie.—STANTON G. SMITH, forest supervisor, Seattle (WU, P-N, GN, WF); Lewis A. Treen, jr., deputy forest supervisor; Alexander G. Jackson, forest examiner.

Washington.—C. H. PARK, forest supervisor, Bellingham (WU, P-Am, GN, N).

Wenaha.—J. M. SCHMITZ, forest supervisor, Walla Walla (WU-Am, N).

Wenatchee.—A. H. SYLVESTER, forest supervisor, Leavenworth (WU-Am, GN).

DISTRICT 7.

Arkansas, Florida, Oklahoma, South Carolina, Georgia, North Carolina, Tennessee, Virginia, West Virginia, New Hampshire. Office Atlantic Building, Washington, D. C.

WM. L. HALL, district forester; FRANKLIN W. REED, assistant district forester; K. W. WOODWARD, forest inspector; H. O. STABLER, assistant district forester.

NATIONAL FORESTS.

ARKANSAS.

Arkansas.—S. A. CHAPPELL, forest supervisor, Hot Springs (WU, P-WF, P); C. J. Heller, forest examiner.

Ozark.—FRANCIS KIEFER, forest supervisor, Harrison (WU-WF); R. C. Huey, deputy forest supervisor; Robert S. Wallace, forest examiner.

FLORIDA.

Florida.—I. F. ELDREDGE, forest supervisor, Camp Pinchot, Garniers (WU, P); W. F. Hill, deputy forest supervisor.

OKLAHOMA.

Wichita.—FRANK RUSH, game warden, in charge, Cache (WU-WF).

PURCHASE AREAS.

Cherokee.—H. L. JOHNSON, forest examiner, in charge, Etowah, Tenn. (WU, P-Ad).

Georgia.—E. V. CLARK, national forest examiner, in charge, Blue Ridge, Ga. (WU, P-Ad).

- Massanutten.**—E. D. CLARK, forest examiner, in charge, Woodstock, Va. (WU, P-Ad).
- Mount Mitchell.**—L. L. BISHOP, forest examiner, in charge, Marion, N. C. (WU, P-Ad).
- Monongahela.**—W. A. HOPSON, forest examiner, in charge, Elkins, W. Va. (WU, P-Ad).
- Nantahala.**—R. F. HEMINGWAY, forest examiner, in charge, Andrews, N. C. (WU, P-Ad).
- Natural Bridge.**—J. H. FAHRENBACH, forest examiner, in charge, Beuna Vista, Va. (WU, P-Ad).
- Pisgah.**—VERNE RHOADES, forest examiner, in charge, Asheville, N. C.
- Potomac.**—E. D. CLARK, forest examiner, in charge, Woodstock, Va. (WU, P-Ad).
- Savannah (N).**—J. J. FRITZ, forest examiner, in charge, Highlands, N. C. (WU, P-Ad).
- Savannah (S).**—R. W. SHIELDS, forest examiner, in charge, Clayton, Ga. (WU, P-Ad).
- Shenandoah.**—S. H. MARSH, forest examiner, in charge, Harrisonburg, Va. (WU, P-Ad).
- Smoky Mountain.**—W. J. DAMTOFT, forest assistant, acting in charge, Townsend, Tenn. (WU, P-Ad).
- Unaka.**—E. P. BUSHNELL, forest examiner, in charge, Johnson City, Tenn. (WU, P-Ad).
- White Top.**—H. L. RUSSELL, forest examiner, acting in charge, Abingdon, Va. (WU, P-Ad).
- White Mountain.**—J. S. BENEDICT, forest examiner, in charge, Gorham, N. H. (WU, P-Am).

BUREAU OF ENTOMOLOGY.

L. O. HOWARD, Chief.

BRANCH OF FOREST INSECT INVESTIGATIONS—A. D. HOPKINS, in charge.

FOREST INSECT FIELD STATIONS.

Northern Rocky Mountain Station, Missoula, Mont., for the States of Montana, Idaho, eastern Oregon, eastern Washington, Wyoming, Nebraska, and South Dakota, north of the 42d parallel of latitude. Josef Brunner, in charge.

Southern Rocky Mountain Station, Colorado Springs, Colo., for the States of New Mexico, Arizona, Colorado, Utah, and Nevada. W. D. Edmonston, in charge.

Pacific Slope Station, Placerville, Cal., for the States of California, western Oregon, and western Washington, west of about the 120th meridian. H. E. Burke, in charge.

Tree Seed Insect Station, Ashland, Oreg., for the special investigation of insect enemies of forest-tree seeds, for the Pacific slope and Rocky Mountains. J. M. Miller, in charge.

Eastern Station, East Falls Church, Va., for the Eastern States. S. A. Rohwer, in charge.

SERVICE CHANGES.

APPOINTED.

PRODUCTS.—Harlow Bradley and Edward C. Sparver, assistant engineers in forest products.

ACQUISITION.—August J. Bohn and John W. Fox, examiners of surveys; Walter O. Hill, transitman.

DISTRICT 1.—Operation: William M. Nagel, Joshua A. Cope, Coeur d'Alene; John B. Taylor, Deerlodge, forest assistants; Roscoe Haines, St. Joe, claims examiner; Edwin C. Mohr, Coeur d'Alene; Edward H. O'Brien, Clyde S. Webb, Alexander M. Brebner, St. Joe, scalers; William Vincent Evans, Lewis E. Ewan, Absaroka; Fred A. Gruel, Bear-tooth; Jocelyn A. Whitaker, Kaniksu, assistant forest rangers; Chester W. Cheatham, Coeur d'Alene; Elmer R. Johnson, Charles H. Neel, surveyor draftsmen, district office.

DISTRICT 2.—Operation: Riley Cass, jr., surveyor, district office; Reginald L. Chase, Fred D. Mendenhall, surveyor draftsmen, district office; Charles Steuart, Kenneth J. Braden, Ernest T. Wolf, Black Hills; William O. Sauder, Harney; Wallace J. Pearce, Hayden; Harold Allen Speidel, Rio Grande; Allen W. Murdock, Sopris; Harrison V. Bailey, White River, forest assistants; Lewis C. Davis, Arapaho; Franklin P. Legat, Bighorn; Henry T. Miller, Gunnison; Hugh I. Smith, Holy Cross; David S. Thomas, San Juan; Hugh B. Livingston, Shoshone; Gilbert H. Hutchins, Sopris, assistant forest rangers; John B. Sutherland, Bonneville; Charles B. Pool, Nebraska; Philip A. Maurice, Superior, clerks (forest).

DISTRICT 3.—Lands: R. P. A. Johnson, surveyor draftsman, district office; Curry A. Long, surveyor, district office; Hugh M. Neighbour, transitman, district office; Henry L. Lawson, assistant forest ranger, district office. Operation: Mabel M. Kennedy, map colorist, district office; Arthur S. Wingo, Alamo; Alexander Best, Carson; Joseph Egum, Datil; Ray E. King, Manzano; Charles E. Reagan, Prescott, assistant forest rangers; Lenthall Wyman, Alamo; Willis M. Baker, Apache; Frank T. Murphey, Carson; Oscar F. Schaefer, Coconino;

Stanley F. Wilson, Coronado; Serrin S. Van Boskirk, Pecos; C. Norman Hammond, Tusayan, forest assistants; Bert E. Page, Carson; George R. Brown, Prescott, forest clerks; Victor H. Frey, clerk (stenographer and typewriter), Lincoln. Silviculture: Frank Harrison, forest clerk, Fort Valley Experiment Station.

DISTRICT 4.—Operation: Frank Douthitt, Caribou, grazing assistant; Lewis L. Baird, Frank Foster, Idaho; Benjamin Swapp, Kaibab; Simon Kinney, Minidoka; Merle W. Prusia, Nevada; James H. Jones, Palisade; William S. Kalbaugh, Santa Rosa; Levon H. Koomey, Wasatch, assistant forest rangers; Otto H. Tschanz, forest clerk, Lemhi; Herbert F. Aldridge, Irvin N. Hoffman, copyist-topographic draftsmen, district office. Property audit: Miss Anna M. Conroy, clerk (stenographer and typewriter); Vernon O. Maw, clerk (by transfer from the Office of Indian Affairs).

DISTRICT 5.—Operation: George Harris, Stephen A. Nash-Boulden, Cleveland; William B. Davis, Eldorado; Albert E. Gould, Plumas; Floyd V. Wike, Santa Barbara; Will L. Baughman, Mark C. Cathey, Claude W. McKenzie, Sierra; Lester O. Ames, Warren M. Watson, Stanislaus; Leland S. Smith, Tahoe; Carlton H. Fritz, Angeles; John R. Bauer, California; John C. Davis, Orville H. Hughes, Modoc, assistant forest rangers; William Groom, Klamath; Charles T. White, Stanislaus, clerks (stenographers and typewriters); Alfred W. Voigt, Plumas, forest assistant.

DISTRICT 6.—Operation: Verne L. Ketchum, surveyor draftsman, district office; Horace G. Whitney, Cascade, clerk; H. Lansing Plumb, Olympic; Alfred A. Griffin, Santiam; Willett F. Ramsdell, Wenatchee, forest assistants; John C. Rainier, Charles H. Wolverton, Chelan; Christian N. Skaar, Columbia; Lynn F. Cronemiller, Fremont; Rolland Huff, Minam; James F. Hutton, Olympic; Lee E. Emery, James C. Evenden, Oregon; James H. Billingslea, James T. Frankland, Snoqualmie; George Tonkin, Umatilla; Samuel R. Woods, Wenaha, assistant forest rangers. Lands: William M. H. Woodward, mineral examiner, district office; Carl N. Miller, Santiam, assistant forest ranger. Products: Claude E. Greider, statistician in forest products, district office.

DISTRICT 7.—Thomas A. Wilson, Robert M. Evans, Ozark; James A. Mason, Arkansas, assistant forest rangers.

PROMOTED IN RANK.

DISTRICT 1.—Operation: R. Trevor Ferguson, Pend Oreille, deputy forest supervisor to supervisor; Arthur C. Haines, Sioux, forest ranger to deputy forest supervisor.

DISTRICT 2.—Operation: Michael J. Sweeney, Black Hills; Everard S. Keithley, Pike, forest assistants to forest examiners; James F. Conner, Harney, forest ranger to deputy forest supervisor; Angus H. Taylor,

Routt; Frank E. McGrew, Shoshone; Charles Taylor, Superior, assistant forest rangers to forest rangers.

DISTRICT 3.—Operation: Paul P. Pitchlynn, deputy forest supervisor to national forest examiner, district office; Louis Vernon Slonaker, assistant forest ranger to national forest examiner, district office; Frederic Winn, Apache, national forest examiner to forest supervisor; Clifford W. McKibbin, Apache, forest examiner to deputy forest supervisor; James H. Sizer, Apache, forest ranger to deputy forest supervisor; J. Wilbur O'Byrne, Jemez, forest assistant to forest examiner; Wayne Russell, Pecos, assistant forest ranger to forest ranger.

DISTRICT 4.—Operation: Miller S. Benedict, Boise; Lee A. Harris, Wasatch, deputy forest supervisors to forest supervisors; James H. Hull, Caribou; David A. Arrivee, Fishlake; Frederick S. Baker, John C. Roak, Manti; Charles F. Evans, Palisade; Samuel E. Bower, Sevier; Raymond D. Garver, Adolph G. Hauge, Earl C. Sanford, Wasatch, forest assistants to forest examiners; Ernest W. Herbert, Fillmore; Frederick L. Mott, Lemhi; Vivian N. West, Ruby, assistant forest rangers to forest rangers.

DISTRICT 5.—Operation: Charles C. Brunner, clerk (bookkeeper) to district fiscal agent, district office; Douglas K. Noyes, Klamath; Dwight C. Birch, Sierra, forest assistants to forest examiners.

DISTRICT 6.—Operation: Robert J. Craig, Crater; Clarence L. Hen-son, Oregon, assistant forest rangers to forest rangers; George A. Bright, Minam; Lawrence B. Pagter, Siuslaw; Thurman J. Starker, Whitman, forest assistants to forest examiners; William B. Osborne, jr., Oregon, forest examiner to deputy forest supervisor. Silviculture: Edwin C. Erickson, scaler to lumberman, district office; Julius V. Hofmann, forest assistant to forest examiner, district office. Lands: Asher Ireland, Adam H. Wright, forest rangers to national forest examiners, district office.

CHANGE IN DESIGNATION.

DISTRICT 1.—Operation: Burr W. Clark, Madison, forest clerk to forest ranger. District office: Hugh F. Ellard, logging engineer to lumberman.

DISTRICT 2.—Operation: Willis C. Danielson, draftsman (topographic) to draftsman (surveyor), district office; Clarence E. Taylor, Bonneville; Theodore Krueger, Nebraska; Victor C. Follenius, Pike; Roscoe B. Weaver, Routt, forest assistants to assistant forest rangers; William C. Davis, Minnesota, assistant forest ranger to forest guard.

DISTRICT 3.—Operation: Ernest T. F. Wohlenberg, forest assistant to assistant forest ranger. Lands: Floyd R. Wigely, clerk to forest ranger; Frank E. Andrews, forest supervisor to national forest examiner.

DISTRICT 4.—Operation: Rolland A. Stretch, Wyoming, forest supervisor to forest examiner; Dana Parkinson, Boise, forest examiner to deputy forest supervisor.

DISTRICT 5.—Operation: Frank B. Cayot, Plumas, forest ranger to deputy forest supervisor; James E. Nail, Plumas; Walter F. Emerick, Santa Barbara; Robert A. McInroy, Shasta, assistant forest rangers to forest rangers.

DISTRICT 7.—Operation: E. J. Meade, Arkansas, assistant forest ranger to forest assistant.

RESIGNED.

SILVICULTURE.—Franklin H. Smith, statistician in forest products.

PRODUCTS.—Roger E. Simmons, statistician in forest products. Laboratory: Lorraine J. Markwardt and James D. MacLean, assistant engineers in forest products.

ACQUISITION.—Robert P. Holdsworth, forest examiner; Francis C. Hall, transitman.

DISTRICT 1.—Operation: Charles A. Ballinger, Sioux, forest supervisor; William A. Raymond, Kootenai, deputy forest supervisor; Lester L. Davison, Gallatin, Robert L. Townsend, Madison, Frank J. Smith, Selway, assistant forest rangers; Wilry E. Escher, Kootenai, forest assistant; Charles H. Gregory, St. Joe, lumberman. District office: Henry H. Farquhar, forest examiner; Marie A. Hofstetter, clerk (typewriter).

DISTRICT 2.—Operation: James H. Ratliff, Routt, forest supervisor; Reginald L. Chase, surveyor draftsman, district office; Robert T. Sobey, Holy Cross, Harry E. Miller, Shoshone, forest rangers; Maitland E. Bradley, Arapaho, Homer Weller, Shoshone, Schuyler C. Swearengin, Sopris, assistant forest rangers; Alexander M. Bittner, Routt, clerk (forest); Harold C. Klein, Superior, clerk; M. Edith Garver, district office, William A. English, Bonneville, clerks (stenographers and typewriters).

DISTRICT 3.—Operation: Nathan V. Moser, blue printer, district office; Willard M. Drake, Coconino, forest supervisor; Claude E. Malbone, Coconino, assistant forest ranger; Lee R. York, Lincoln, forest ranger; R. Elaine Wooster, Prescott, clerk (forest).

DISTRICT 4.—Operation: James L. Pelton, Kiabab, forest supervisor; George D. Crockett, Minidoka, forest ranger; Carl Stockbridge, Kiabab, John J. Boyle, Ruby, Joseph R. Tognoni, Santa Rosa, Henry K. Lewis, Sawtooth, assistant forest rangers; Frank O. Kohler, Nevada, Clarence B. Johnson, Salmon, forest clerks; David A. West, Wasatch, clerk.

DISTRICT 5.—Operation: William W. Gray, Santa Barbara, Harry R. Powers, Shasta, forest rangers; Roy R. Marsh, Sequoia, forest clerk; Roy Oldfield, Sequoia, assistant forest ranger; Roy H. Blood, Sierra, clerk (stenographer and typewriter).

DISTRICT 6.—Operation: Horace Berry, Oregon, assistant forest ranger; William B. Milbury, Siskiyou, forest ranger; Charles J. Conover, Siuslaw, forest assistant. Products: Aimee Flexner, clerk (stenographer and typewriter), district office.

DISTRICT 7.—David E. Fitton, Arkansas, deputy forest supervisor.

DISMISSED.

DISTRICT 3.—Operation: Walter R. Atkeson, Datil, assistant forest ranger.

With deep regret announcement is made of the death of John Y. Toler, assistant forest ranger, Lassen, June 5; Louis Margolin, forest examiner, district 5, June 20; Sterling L. Colton, forest ranger, La Sal, July 11; George O. Harlan, assistant forest ranger, San Juan, August 8; and Mrs. Georgia N. Goldsmith, clerk, Washington office, August 18.

SERVICE NOTES FOR OCTOBER.

These notes contain instructions and necessary information to forest officers, and will therefore be carefully read and kept on file for reference.

ACCOUNTS.

Appointments.

In the future all letters or telegrams of declination of eligibles on the assistant forest ranger register should be forwarded immediately upon receipt to the district fiscal agent for transmittal to the Washington office.

LAW.

OFFICE OF THE SOLICITOR.

Law Cases in District 1—

United States *v.* Ed. Kinnison: Grazing trespass, Beaverhead National Forest. Settled in full by payment of \$8.59, value of forage consumed.

United States *v.* George Whitworth: Grazing trespass, Beaverhead National Forest. Settled in full by payment of \$15.02, value of forage consumed.

United States *v.* O. J. Langhus: Bribing forest officer, Absaroka National Forest. Langhus held by United States commissioner for action Federal grand jury.

United States *v.* Homer Hodges: Occupancy trespass, Deerlodge National Forest. Temporary injunction granted by Federal court restraining Hodges from grazing cattle on Pioneer ranger station.

United States *v.* A. E. Elvers: Fire trespass (criminal), Cabinet National Forest. United States commissioner refused to hold Elvers for Federal grand jury.

United States *v.* Rudolph Kraft and United States Fidelity & Guaranty Co.: Failure of Kraft to comply with terms of timber sale contract, Cabinet National Forest. Five hundred dollars, the full amount of Kraft's bond, paid by surety company.

Law Cases in District 2—

United States *v.* E. W. Bever: On September 8, 1914, in the United States district court at Montrose, Colo., defendant pleaded guilty to information charging him with grazing sheep on the Montezuma National Forest without a permit, and was sentenced to pay a fine of \$10 and costs.

United States *v.* J. H. Cole and Wm. Noble: Grazing trespass, Routt National Forest. Settled by payment of \$106.25.

United States *v.* Steve Mark et al.: Fire trespass, Harney National Forest. During the September term of court at Deadwood, S. Dak., defendants, indicted for leaving a fire unattended on the Harney National Forest, failed to appear, forfeiting their bonds.

Law Cases in District 3—

United States *v.* R. F. Keene: Grazing trespass, Gila National Forest. Decree entered August 8, 1914, enjoining Keene from further grazing stock on the forest and providing for the recovery of \$25 damages and the costs, amounting to \$83.25. Amount of damages and costs paid August 9, 1914.

United States *v.* F. E. Sanchez: Grazing trespass, Lincoln National Forest. Defendant held for grand jury under \$500 bond.

United States *v.* J. W. Marley & Sons: Grazing trespass, Coconino National Forest. Judgment for \$450 satisfied July 30, 1914.

Law Cases in District 6—

The Sparta Irrigation Co. brought an action to restrain the supervisor of the Minam National Forest and two other defendants from interfering with its ditch, which it apparently had abandoned for a time, but has resumed use. Damages amounting to \$5,000 were also asked. After a conference between the attorney and president of the plaintiff company and the assistant to the solicitor and United States attorney the company was persuaded to drop its action against the supervisor. This was done upon motion of plaintiff's attorney in open court.

LANDS.

Numbering Supplemental Lists.

The instructions by letter of August 3, "L, Service Settlement, List Numbers," have been misinterpreted in some instances. They should be understood as follows:

When submitting supplemental lists which describe *by legal subdivisions* areas to be listed, parts of which areas have already been listed and described by metes and bounds, and which must therefore be excepted from the total area of the new list, the supplemental list should be given a new number and the *net acreage* thereby listed should be stated. Reference should be made in the body of the letter to the

number of the previous list, and to the acreage of the area embraced in that list.

The list numbering of roadway strips previously excepted and which it is subsequently desired to list will continue the same as heretofore, giving the old list number with the word "supplemental" added.

SERVICE PUBLICATIONS ISSUED.

Departmental Bulletin 80.—Effects of Varying Certain Cooking Conditions in Producing Soda Pulp from Aspen.

Departmental Bulletin 101.—Relative Resistance of Various Conifers to Injection with Creosote.

Departmental Bulletin 129.—Yields from the Destructive Distillation of Certain Hardwoods.

Folder for Cache National Forest.

Folder for Payette National Forest.

Folder for Shasta National Forest.

Folder for Sitgreaves National Forest.

Folder for Stanislaus National Forest.

CUMULATIVE INDEX TO SERVICE NOTES AND ORDERS.

(OCTOBER, 1914.)

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Alterations made in accounts during administrative examination; July (25-26).

Appointments; October (57).

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Numbering supplemental lists; October (58).

Service Order 43; July (25).

Law cases in district 1; July (27); October (57).

2; July (27); October (58).

3; July (27); October (58).

4; July (28).

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grazing, district 1; July (27); October (57).

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occupancy, district 1; October (57).

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5; July (28).

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timber, district 1; July (27).

2; July (27).

5; July (28).

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